

AMENDMENTS TO CLAIMS

1-2. (Canceled)

3. (Currently amended) ~~The device of claim 1~~ An intravascular catheter device comprising:

an elongate catheter body having a proximal end and having a distal end;
an exterior deployment balloon having a thermally activated surface having surface features having a nominal height of between about 10 and 120 microns, said surface located proximate said distal end of said catheter body, wherein said thermally active surface includes [;:] a plurality of shape memory plastic spines/tines having a first retracted position corresponding to a first temperature, and a second deployed position;
an interior deployment balloon located inside said exterior deployment balloon;
said interior balloon and said exterior balloon together forming and defining a drug reservoir between the opposed surfaces of said balloons;
a plurality of drug release apertures proximate said thermally activated surface communicating with said drug reservoir;
a fluid supply lumen in said catheter body coupled to said interior deployment balloon for inflating said interior deployment balloon to expand it and to pressurize the drug in said reservoir to assist in delivering the drug.

4. (Previously presented) An intravascular catheter device comprising:
an elongate catheter body having a proximal end and having a distal end;
an exterior deployment balloon having a thermally activated surface, located proximate said distal end of said catheter body;
said thermally activated surface includes;
a plurality of shape memory plastic spines/tines having a first retracted position corresponding to a first temperature, and a second deployed position;
an interior deployment balloon located inside said exterior deployment balloon;
said interior balloon and said exterior balloon together forming and defining a drug reservoir between the opposed surfaces of said balloons;
a plurality of drug release apertures proximate said thermally activated surface communicating with said drug reservoir;

a fluid supply lumen in said catheter body coupled to said interior deployment balloon for inflating said interior deployment balloon to expand it and to pressurize the drug in said reservoir to assist in delivering the drug;

said drug release apertures are uncovered by said spines when said spines are in said second deployed position.

5-8. (Canceled)